

Tidewater Community College/Old Dominion University

2016-2017 Catalog

ARTICULATION AGREEMENT

Associate of Applied Science, Computer-Aided Drafting and Design Technology
with Transfer General Education Courses to

Bachelor of Science in Engineering Technology (Mechanical Engineering Technology)

Tidewater Community College A.A.S. in Computer-Aided Drafting and Design Technology				Old Dominion University Equivalency			
CAD	151	Engineering Drawing Fundamentals I*	3	ENGN	1ELE	(Substitute for ENGN 110)	3
CAD	201	Computer Aided Drafting and Design I*	4	MET	120	Computer Aided Drafting	4
ENG	111	College Composition I*	3	ENGL	110C	English Composition I	3
MTH	163	Precalculus I*	3	MATH	162M	Precalculus I	3
SDV	100	College Success Skills	1	UNIV	100	University Orientation	1
MEC	111	Materials for Industry*	3	STEM	221	Industrial Materials	3
CAD	202	Computer Aided Drafting and Design II*	4	ENGN	ELE	(Substitute for ENGT 111)	4
CAD	152	Engineering Drawing Fundamentals II	3	STEM	ELE	Elective	3
MTH	164	Precalculus II*	3	MATH	163	Precalculus II	3
Approved Technical	ELE	Approved Technical Elective from TCC catalog	3	ENGN	ELE	Elective	3
HLT/ PED	ELE	Elective	2	HLTH/ PE	ELE	Health or PE Elective	2
CAD	211	Advanced Technical Drafting I	3	STEM	2ELE	Elective	3
CAD	241	Parametric Solid Modeling I*	3	MET	240	Computer Solid Modeling	3
MEC	131	Mechanics I- Statics for Engineering Tech*	3	CET	200	Statics	3
PHY	201	General College Physics I*	4	PHYS	111N	Introductory General Physics I	4
Social Science	ELE	Select one course from the certificate in general education requirements (not HIS)*	3	HB	1REQ	Human Behavior Way of Knowing	3
Social Science	ELE	Choose one: HIS 101, 102, 111, 112, 121 or 122*	3	INTP	1REQ	Interpreting the Past Way of Knowing	3
CAD	280	Design Capstone Project	3	STEM	2ELE	STEM Elective	3
MEC	132	Mechanics II Strength of Materials*	3	CET	220	Strength of Materials	3
PHY	202	General College Physics II*	4	PHYS	112N	Introductory General Physics II	4
HUM	ELE	ENG 125, 241, 242, 243, 244, 251, 252 or 253*	3	LIT	1REQ	Literature Way of Knowing	3
CAD	212	Advanced Technical Drafting II	3	STEM	2ELE	Elective	3
Total Credits in AAS degree			67	Transfer Credits from AAS Degree			67
Additional Required Courses for BS Degree				ODU Equivalency			
ENG	112	College Composition II*	3	ENGL	211C	English Composition II	3
HUM	ELE	Choose one: ART 201, 202, CST 130, 141, HUM 201, 202, 260, MUS 121 or 122*	3	HC	1REQ	Human Creativity Way of Knowing	3
CHM	111	**College Chemistry I*	4	CHEM	121/ 122N	Foundations of Chemistry	4
MTH	173	**Calculus with Analytic Geometry I*	5	MATH	211	Calculus I	5
CST	100	Principles of Public Speaking*	3	COMM	101R	Public Speaking	3
IND	115	**Materials and Processes of Industry*	4	MET	200	Manufacturing Processes & Methods	4
Additional Credits Required			22				22

		Requirements for BS to be Completed at ODU		
<p>Note: The lower division general education Language and Culture requirements will be satisfied by completion of all courses outlined in this program agreement.</p> <p>Philosophy and Ethics, Information Literacy and Research, and Impact of Technology are satisfied in the major.</p> <p>To participate in this articulation agreement please visit Old Dominion University's website to complete The Letter of Intent: https://www.odu.edu/newtransfer/letter-of-intent</p> <p>Completion of this articulation agreement does not guarantee admission to Old Dominion University. All students must meet the requirements set by the Office of Admissions or the Guaranteed Admissions Agreement (GAA). Please visit admissions.odu.edu for more information regarding guaranteed admission to Old Dominion University.</p>	MET	300	Thermodynamics	3
	MET	310	Dynamics	3
	MET	320	Design of Machine Elements	3
		CET 345W Materials Testing Laboratory (online-2 cr.) OR MET 225 Materials Testing Laboratory (on-campus, 1cr)		1/2
	EET	305	Adv. Technical Analysis	3
	EET	350	Fundamentals of Electrical Technology	3
	EET	355	Electrical Laboratory	1
	MET	330	Fluid Mechanics	3
	MET	335W	Fluid Mechanics Laboratory	1
	MET	350	Thermal Applications	3
	MET	370+	Automation & Controls	3
	MET	386+	Automation & Controls Laboratory	1
	MET	387	Power & Energy Laboratory	2
	ENGT	434	Intro to Senior Project	1
	MET	XXX	Senior Electives	12
	ENGN	401	FE Review	1
	ENGT	435W	Senior Design Project	3
	ENMA	480	Ethics and Philosophy in Engineering Applications	3
***Minor	XXX		12	
Credits to be Taken at ODU			62/63	
SUMMARY				
Transfer Credits from AAS Degree			67	
Additional Credits Required			22	
Credits to be Taken at ODU			62/63	
Total Credits			151/152	

*Departmental requirement, student must earn a C or better at TCC to transfer and earn credit at ODU.

**All 100/200-level required math, science and engineering technology courses must be completed prior to enrollment in any 300-level engineering technology courses with a C or better.

***The ODU B.S.M.E.T. degree requires students complete an approved engineering, engineering technology, math or science minor.

Signature

Date

Dr. Kellie C. Sorey
Associate Vice President for Academics
Tidewater Community College

Signature

Date

Dr. Brian Payne
Vice Provost, Academic Affairs
Old Dominion University